

# EnviroProjects, LLC

## Memorandum

Date: May 27, 2014  
To: Pete Mellitts, P.E., LEED AP, McLaren Engineering Group  
From: Aaron M. Keel, EnviroProjects  
Re: Aris T Allen Blvd Site: Response to 2nd Round City comments on the Forest Stand Delineation (FSD) Plan  
EP#: 20130099

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The following responds to the City of Annapolis, Frank Biba, May 23, 2014 , 4 comments on the FSD/NRI, Aris T Allen Blvd Site.

City Comment 1: 4 on-site Forest Stand Delineation (FSD) data points are required:

- FSD data points 1,2,3, & 5 occur within the FSD study area (as stated in report and shown on plans). 4 data points are located within the FSD study area.
- Refer to previously provided the Aris T Allen Boulevard, Natural Resources Inventory/Forest Stand Delineation report.
- McLaren may consider increasing line/font weight of the FSD plan sheets for easier City interpretation. (also possibly upland data points see 3&4 below).

City Comment 2: The following write-up is in response to City requests for more elaboration on Stand A:

Stand A's species composition is typical of local indigenous urban forest areas. Stand A also has pockets of exotic and opportunist forest species and large areas of invasive species. Stand A is surrounded by high density urban development. Stand A contains some sensitive areas: such as steep slopes and a small area of jurisdictional Waters of the US. Stand A's drainage area is very limited. Contiguous off-site drainage is directed away from Stand A. For surface run-off that falls within Stand A, Stand A serves as a vegetated buffer absorbing nutrients prior to waters entering downstream riparian corridors. Stand A's steep slopes are evidence that this stand is experiencing erosion and contributes eroded and organic materials downstream.

Stand A is bounded by high density urban development on 3 sides , but is contiguous to larger forested areas to the southwest. Stand A provides wildlife habitat to fauna species typical of urban environments; but cannot serve a wildlife corridor, because it is surrounded by urban development. Stand A will be significantly altered by proposed development. Stand A has demonstrated the ability to withstand development pressures of surrounding urban development. Because Stand A is: 1) located at the top of a drainage, 2) is a separate stand from downstream riparian habitats (Stand B), and 3) is surrounded on 3 sides by high density urban development; the core of Stand A can be sacrificed to proposed development without significant adversely impacting other nearby forest habitats (provided that existing Stand A buffers are maintained and stormwater management is implemented to current standards).

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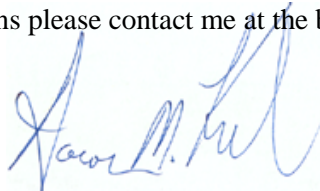
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City Comment 3 and City Comment 4: regarding the Waters of the US Delineation efforts.

- The on-site Waters of the US (including wetlands and streams) were studied in detail in the field by Bowman Consulting and again re-verified in the field by EnviroProjects in 2013.
- Refer to the previously provided June 2013, *Wetland Delineation Technical Memorandum* report.
- As stated in the report, the jurisdictional limits of the ephemeral stream in the southwest portion of the site (see City Comment 3) are accurately identified according to State & federal standards.
- Regarding City Comment 4, as shown in the Wetland report, the entire +/-15-acre upper portion of the site was studied, including the east portion of the site, near Lot 48. In 2013 EnviroProjects noted one zone, near Lot 48, appeared to be a possible new wetland. However, field studies confirmed that this area does NOT meet standards for a wetland, see Upland Data Point A, shown on maps and report. Upland Data Point A (UPDPA) datasheet, documenting soils, vegetation and hydrology is included in the previously provided report.

If there are any questions please contact me at the below data or [akeel@EnviroProj.com](mailto:akeel@EnviroProj.com).



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